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Norfolk Southern Corporation  
Communications and Signal Department  
99 Spring Street, S.W.  
Atlanta, Georgia 30303

B. L. Sykes  
Chief Engineer  
C&S Engineering  
404/529-2105

X-12195 April 29, 2004

061-04.445; 061-04.501;  
061-04.502; 061-04.503;  
061-04.504

T04-0064

534391 X

Mr. Michael E. Stead  
Railroad Safety Program Administrator  
Illinois Commerce Commissioner  
527 East Capitol Avenue  
P. O. Box 19280  
Springfield, IL, 62794-9280

RECEIVED  
MAY 6 2004

Illinois Commerce Commission  
RAIL SAFETY SECTION

Dear Mr. Stead:

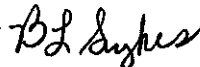
Please reference the Illinois Commerce Commission letter of December 23, 2003, regarding Stipulated Agreement No. 1068 for the installation of automatic warning devices at the Fifth Street, Entrance Avenue, Schuyler Avenue, Indiana Avenue (IL 50) and Greenwood Avenue highway rail grade crossings of the Norfolk Southern Railway Company's track, all located in the City of Kankakee, Kankakee County, IL, designated at crossings AAR/DOT 534 393L, MP: 101.41-5E; AAR/DOT 534 392E, MP: 101.27-5E, AAR/DOT 534 391X, MP: 100.74-5E; AAR/DOT 534 390R, MP: 100.71-5E; and AAR/DOT 534 388P, MP: 100.51-5E, respectively.

We are providing to you two copies each of the detailed estimate, material list and preliminary engineering for these projects. Included are an estimate, material list and preliminary sketch for constant warning equipment to be installed and maintained by the Canadian National Railway that includes the starts for Schuyler Avenue, Entrance Avenue and Indiana Avenue. The Canadian National Railway's estimate was not included in the original agreement or order and will need to be included as an estimated cost of these projects reimbursable by the state/city.

Also attached are the original and two (2) duplicates of the FORM 3 for this project.

Please advise if additional information is needed to assist in the preparation of this project for installation.

Sincerely,

  
B. L. Sykes

Attachment(s)

BLS\rhr\gbb\rd\rjs

Cc: Mr. T. W. Ambler, NS Corp., Norfolk, VA - w/copy of FORM 3  
Ms. Cheryl Cathey, IL DOT - w/plans, material list and estimate

STATE OF ILLINOIS  
ILLINOIS COMMERCE COMMISSION

ORIGINAL

RECEIVED  
MAY 6 2004

Petition for permission to make a major change in crossing protection, or to install new protection under 92 Illinois Administrative Code 1535.400 (d).

X-12195  
704-0064

Illinois Commerce Commission  
Date: April 29, 2004 SECTION

To the ILLINOIS COMMERCE COMMISSION:

The petitioner Norfolk Southern Railway Company shows

- (1) That it is a railroad company operating a line of railroad in the State of Illinois.
- (2) That petitioner proposes and hereby makes an application for authority to make a major change in crossing protection or to install new protection under 92 Illinois Administrative Code 1535.400(d) adopted by this Commission.
- (3) That the location of the crossing, nature of protection now established and proposed protection to be established, and other pertinent facts in connection therewith, are set forth in the statement attached to and forming part of this petition.
- (4) That petitioner's reasons and purpose, with reference to its said proposal are to:

Installation of Flashing Light Crossing Signals with Gates and 12" lenses. Front and back lamp assemblies on both signal masts at: Schuyler Avenue in Kankakee, Kankakee County, Illinois.

MP. KS-100.94, DOT: 534 391X

File No. 061-04.502

Project No. 04.0485

- (5) That the facts set forth in this petition and in the statement and plans or plats attached thereto, are, all of them, true and correct to the best of petitioner's knowledge and belief.

**WHEREFORE, the petitioner prays that the Commission will, if deemed desirable by the Commission, set the aforesaid matter for a hearing, and that the Commission enter an order or adopt at resolution consenting to and granting authority for the making of the said proposed changes in or additions to the crossing protection.**

Norfolk Southern Railway Company

By R. H. Ray  
R. H. Ray, Administrator  
Highway Grade Crossings

Thomas W. Ambler  
(Attorney for Petitioner)

Norfolk Southern Corporation  
Three Commercial Place  
Norfolk, VA 23510-2191  
(Attorney's Address)

DOCKETED

**Statement, attached to and part of an application for permission to make a major change in crossing protection or to install new protection, under 92 Illinois Administrative Code 1535.400(d).**

1. Name of Railroad Company: Norfolk Southern Railway Company
2. Crossing Number: 534 391X
3. Village or City: Kankakee
4. Name of Street or Highway: Schuyler Ave.
5. Public Agency Maintaining Highway: City
6. Protection now established:
- Flashing Light Crossing Signals with Reflectorized Cross Buck and Bell.
7. Protection desired:
- Automatic Flashing Light Warning Devices with Gates and Bell. Train Detection Equipment  
controlled by Constant Warning Time Circuitry.
8. Number of main tracks One Other tracks None
9. Number of passenger movements:
- 6 a.m. to 6 p.m. None 6 p.m. to 6 a.m. None
10. Number of freight train movements:
- 6 a.m. to 6 p.m. Eight 6 p.m. to 6 a.m. Six
11. Approximate number of switch movements:
- 6 a.m. to 6 p.m. Three 6 p.m. to 6 a.m. Two
12. Maximum speed of trains at crossing on each track in each direction:
- North/East 25 M.P.H.
- South/West 25 M.P.H.
13. Passenger platforms served by tracks within the limits of track circuits, if any None

14. Where automatic signals or gates are proposed, approximate number of train or engine movements daily which would cause false indications or operation:

None

15. Nature and approximate amount of street or highway traffic over crossing:

8,100 A.A.D.T. including Trucks and Buses

16. In addition to the information listed hereinbefore in Form 3, attach a track plan or plat of the proposed crossing. This plan should show:

- (a) Width and surface of highway.
- (b) Highway intersections (including private driveways to be so indicated) and location of established highway signs or signals within 100 feet of crossing.
- (c) Location of tracks, switches and other railroad facilities such as block signals, etc. within limits of track circuits, present and/or proposed.
- (d) Where automatic protection is proposed, show proposed location of signals (side lights, cantilevers, etc., if any).
- (e) Show the length of each operating track section within the control limits of the crossing protection and its function.

#### **ADDITIONAL INFORMATION**

Drawing attached for question no. 16

(File Original and Two Duplicates)

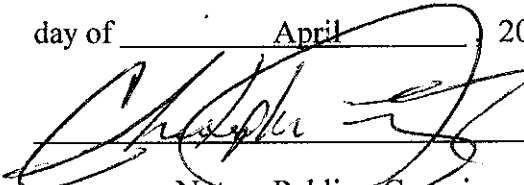
**VERIFICATION**

I, R. H. Ray, first being duly sworn upon oath depose and say that I am  
Administrator – Highway Grade Crossings, of Norfolk Southern Railway Company, a  
Virginia corporation; that I have read the above and foregoing petition by me subscribed and know the  
contents thereof; that said contents are true in substance and in fact, except as to those matters stated upon  
information and belief, and as to those, I believe same to be true.

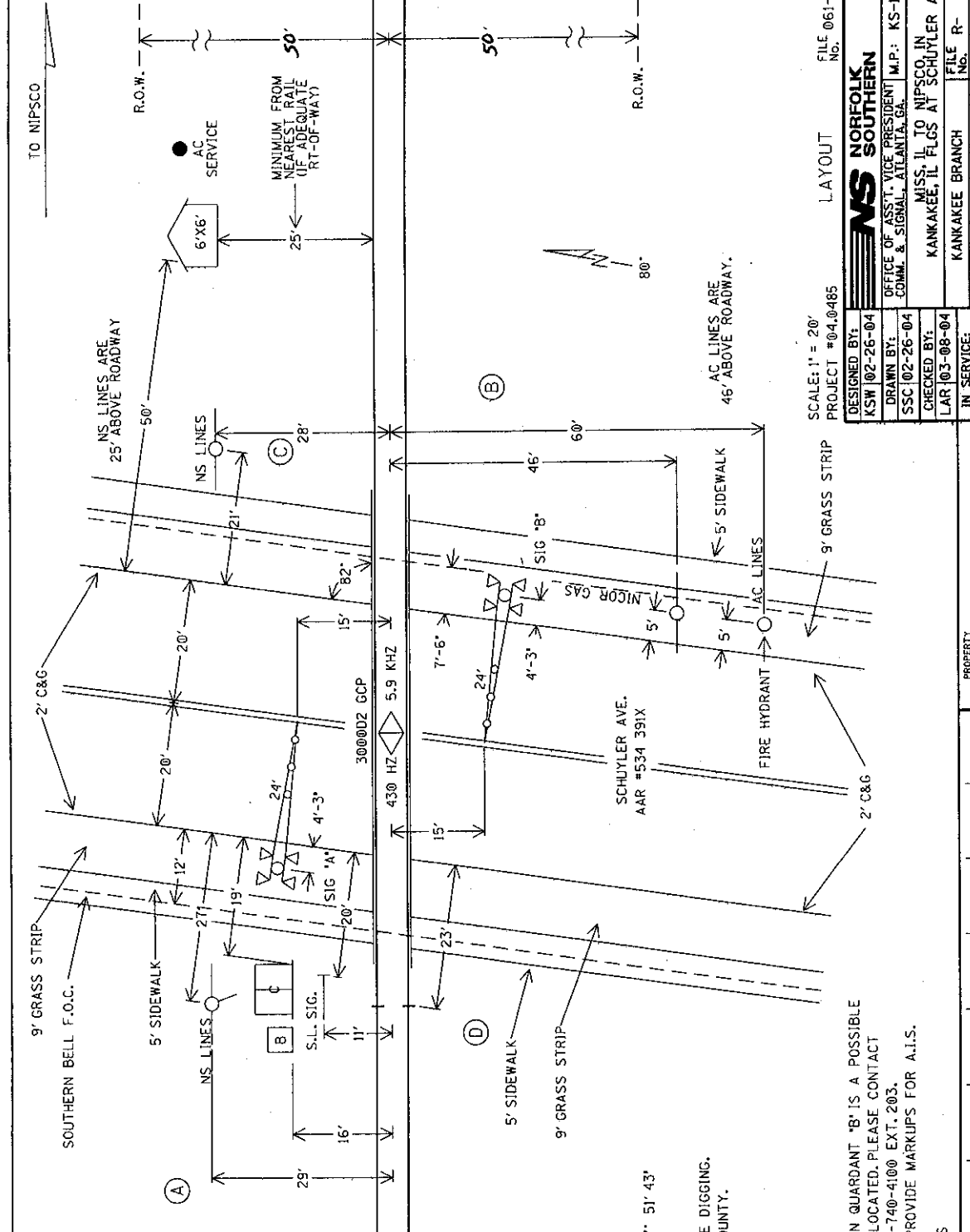
  
Administrator - Highway Grade Crossings

Subscribed and sworn to before me this 29 th.

day of April, 20 04.

  
Notary Public - Georgia

My Commission Expires: \_\_\_\_\_



APPROACH LENGTHS ALLOW FOR:		
TIME IN SECONDS	CWT	E.B./W.B. APPROACH
STANDARD MUTCD MIN. TIME	20	
DESIGNED WARNING TIME	30	
EQUIPMENT RESPONSE TIME	5	
TOTAL TIME	35	
MAX. SPEED (M.P.H.)	25	
APPROACH DISTANCE (FEET)	1286	

IN SERVICE	SIGNED	DATE
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

1. MAX. TRAIN SPEED 25 M.P.H.
2. LATITUDE N 41° 07' 45" LONGITUDE W 87° 51' 43" ELEVATION 614'
3. SIGNAL 'A' TO HAVE BELL.
4. LOCATE U/G UTILITIES & CABLE BEFORE DIGGING.
5. CROSSING LOCATED IN KANKAKEE COUNTY.
6. NEAREST STREET ADDRESS IS 756 SCHUYLER AVE.
7. NEAREST INTERSECTING STREET IS E. WILLOW
8. DISTANCE TO NEAREST INTERSECTING STREET IS 125 FT.
9. THE UNDERGROUND GAS LINE LOCATED IN QUADRANT 'B' IS A POSSIBLE OBSTRUCTION AND MAY NEED TO BE RELOCATED. PLEASE CONTACT PATRICIO MUNOZ OF NICOR GAS AT 815-740-4100 EXT. 203.
10. FIELD TO VOID EXISTING PLANS AND PROVIDE MARKUPS FOR ALL.

(A) (B) (C) (D) = QUADRANT MARKERS

SCALE: 1" = 20'

DESIGNED BY: KSW 102-26-04

DRAWN BY: SSC 102-26-04

CHECKED BY: LAR 103-08-04

IN SERVICE: ---

FILE NO. 061-04.502

LAYOUT

**NORFOLK SOUTHERN**

OFFICE OF ASST. VICE PRESIDENT COMM. & SIGNAL ATLANTA, GA. M.P.: KS-100.94

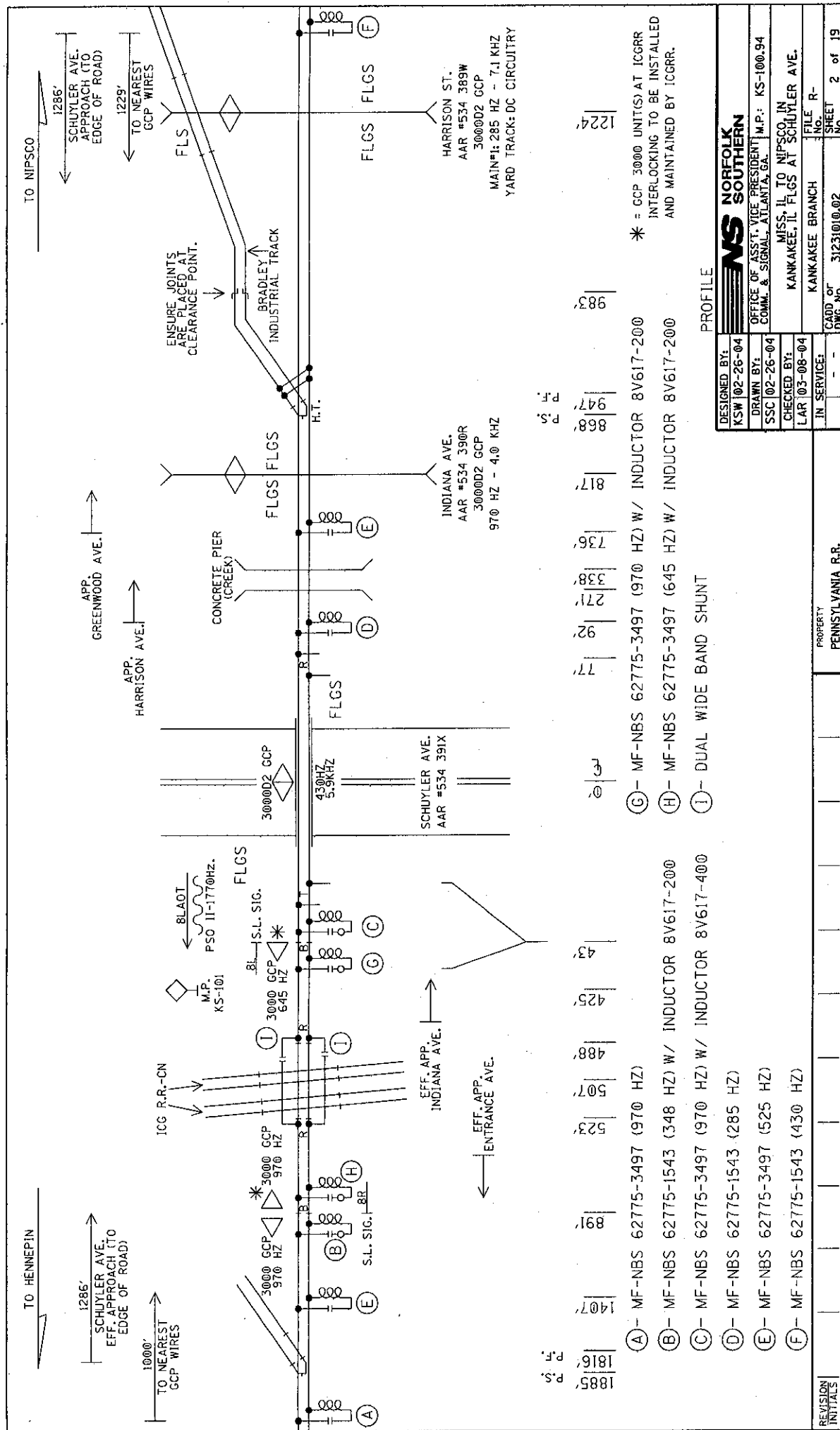
MISS. IL TO NIPSCO IN KANKAKEE, IL FLGS AT SCHUYLER AVE.

KANKAKEE BRANCH

FILE NO. 31231010.01

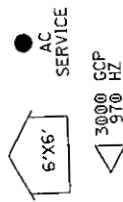
SHEET No. 1 of 19

REVISION	INITIALS	PROPERTY	PENNSYLVANIA R.R.
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TO HENNEPIN

TO NIPSCO



SIG 8R

NOTES:

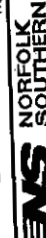
1. MAX. TRAIN SPEED 25 M.P.H.
2. LOCATE U/G UTILITIES & CABLE BEFORE DIGGING.
3. FIELD TO VERIFY HOUSE PLACEMENT.

IN SERVICE	SIGNED	DATE
<input type="checkbox"/>	S&E ENGINEERING COPY	
<input type="checkbox"/>	CONSTRUCTION OFFICE COPY	
<input type="checkbox"/>	RETURN TO S&E ENG. AFTER COMPLETION	
<input type="checkbox"/>	FIELD COPY	
<input type="checkbox"/>	RETURN TO CASE AFTER COMPLETION	
<input type="checkbox"/>	PROJECT ENGINEER COPY	

NOT TO SCALE  
PROJECT #04.0485

FILE #01-04.502  
No.

LAYOUT



DESIGNED BY: KSW 02-26-04	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.	M.P.: KS-101.08
DRAWN BY: SSC 02-26-04		
CHECKED BY: LAR 03-08-04		
UNIDIRECTIONAL SHELTER AT SIG 8R		FILE R- No.
KANKAKEE BRANCH		SHEET 1 of 13
CADD OF DWG. No.		

PROPERTY  
PENNSYLVANIA R.R.

REVISION  
INITIALS



**Detailed Estimate for Grade Crossing Warning Devices**

City/State: KANKAKEE, IL  
MilePost: KS-100.94  
State Proj. No.: STPRRP-000S  
S&E Proj. No.: 04.0485  
Man Days: 152

Road: SCHUYLER AVE.  
DOT/AAR: 534391X  
County: KANKAKEE  
AFE: F01953  
File Number: 061-04.502

**\*\*\*Purchases - Other\*\*\***

Meals and Lodging:	\$13,240.00	
Rental of Equipment:	\$28,940.00	
(2 Trucks, 1 Backhoe w/ Trailer and 1 Pipe-Pusher for 38 Days)		
Construction Supervision Vehicle:	\$540.00	
Contingencies:	\$540.00	
Purchases - Other Total:		\$43,260.00

**\*\*\* Material and Additives\*\*\***

Material Cost:	\$99,580.00	
Sales and Use Tax:	\$4,980.00	
Material Handling Freight:	\$4,980.00	
Material Total:		\$109,540.00

**\*\*\*Labor and Additives\*\*\***

Labor Cost:	\$34,050.00	
(4 man crew at \$896.00 a day for: 38 days)		
Payroll Tax & Overheads:	\$29,480.00	
Preliminary Engineering:	\$11,760.00	
Construction Supervision:	\$9,610.00	
Labor Total:		\$84,900.00
Subtotal:		\$237,700.00
Credit:		\$0.00
(Salvage/Scrap)		
Project Total:		\$237,700.00

Estimated on: 19-Apr-04

Estimated by: ndney

**Estimate valid for 1 year from date of estimate**



Highway Crossing Signalization Program - Material List

Do not substitute items without permission from S & E Engineering

City:	KANKAKEE
Road:	SCHUYLER AVE.
Milepost:	KS-100.94
Drawing Number:	31231010
State Project Number:	STPRRP-000S
County:	KANKAKEE
A A R Number:	534391X
Project Number:	04.0485
File Number:	061-04.502
A F E Number:	F01953
Store Number:	06977
Supervisor:	J.W. WILSON
Tax Code:	1200
Vendor to supply the following copies after pricing: 1 Set - Material Management with original invoice 2 Sets - with plans shipped in car with material 1 Set - S&E Gen. Supt. Construction w/ copy of invoice	

19-Apr-04

Store No.: 06977 P.O. Number: Date Required: Date Shipped:

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed		Quantity Returned (Credit)	Special Instructions
3	670-360693-4	EA	\$4.82	\$14.46	AAR/DOT NUMBER PLATE/DECAL, ORDER 3 PER PROJECT. 60 DAY LEAD TIME. SUPPLIED BY S'TRAN.		Date Quan.	Date Quan.		
1	165-006505-4	EA	\$1,028.00	\$1,028.00	AC SERVICE. COMPLETE LESS METER BASE, ASSEMBLED ON 30' POLE					
2	670-001404-4	EA	\$326.77	\$653.54	ARM. GATE FIBERGLASS-ALUMINUM 25-31 FT. L&W OR US&S OR SAFETRAN 076600-320017 OR					
14	670-119241-4	EA	\$30.60	\$428.40	ARRESTOR, LIGHTNING HEAVY DUTY CLEAR VIEW SAFETRAN 022585-1X					
19	105-871901-4	EA	\$154.22	\$2,930.11	BATTERY, GNB 265AH MODEL 50A11 SINGLE CELL 2.25 VOLTS					
1	670-503047-4	EA	\$185.75	\$185.75	BELL, CROSSING ELECTRONIC GENERAL SIGNAL, EB-3-360-5 CR 02-044350					
2	670-980689-4	EA	\$63.71	\$127.41	BRACKET HIGH WIND, (RIGID 3'), WIG- 191036, WALRUS TUSK TYPE					
2	670-561375-4	EA	\$1,201.20	\$2,402.40	BRACKET, GATE SAVER, NEG385102GS, SPRING LOADED SWING AWAY ADAPTER FOR FIBERGLASS/ALUMINUM GATES, USE WITH GATE 28' AND LESS					
800	465-292862-4	LF	\$1.00	\$802.32	CABLE, U-2-6 TWISTED, S-23 OKONITE 113-12-3933 SOLID TINNED CONDUCTOR					
600	465-292896-4	LF	\$1.05	\$632.46	CABLE, U-3-10 POWER SOLID BARE COPPER CONDUCTOR, 45 MILS OKOLENE INSULATION,					
1500	465-292945-4	LF	\$1.35	\$2,026.35	CABLE, U-5-14, S-54 OKONITE 206-14-6885					
400	465-292929-4	LF	\$3.00	\$1,199.44	CABLE, U.G. 5 COND. NO. 6 AWG SOLID COPPER CABLE TO MEET NS CORP. SPEC. FOR SIGNAL					
400	465-939422-4	LF	\$2.56	\$1,023.40	CABLE, UG 12 CONDUCTOR NO 14 AWG SOLID EACH CONDUCTOR WITH 5/64 IN INSULATION 10 MIL					
120	165-544477-4	FT	\$2.00	\$239.47	CONDUIT, 4"x10' PVC, SCHEDULE 80 BELL CONNECTOR AT ONE END, 1/2 PT. GLUE IN KIT 670-123298-4					

APPROVED BY STATE	APPROVED BY RAILROAD	CAR NUMBER	SEAL NUMBER
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Store No.: 06977 P.O. Number: Date Required: Date Shipped: Vendor: Safetran Systems Corp.

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed			Quantity Returned (Credit)	Special Instructions
							Date	Date	Date		
							Quan.	Quan.	Quan.		
4	670-090450-4	EA	\$49.62	\$198.50	CONNECTOR, WELDED FAR RAIL HARMON A1000-2W						
4	670-486646-4	EA	\$40.66	\$162.64	CONNECTOR, WELDED NEAR RAIL HARMON A1000-1W						
2	670-794453-4	EA	\$854.30	\$1,708.61	COUNTERWEIGHT PKAGE, 25-31' GATE STAN S- MECH ONLY, STAINLESS TO INCLUDE HUB, SUPPORT ARMS						
1	670-006545-4	EA	\$186.05	\$186.05	COUPLER, PSO II TUNED RECEIVER SAFETRAN NO. 7A355A-1770HZ						
1	670-009101-4	EA	\$186.05	\$186.05	COUPLER, PSO TUNED RECEIVER SAFETRAN NO. 7A355A-2630HZ						
1	670-380829-4	EA	\$563.94	\$563.94	COUPLER, BIDIRECTIONAL SIMULATION STRAN # 62664-430						
3	670-080337-4	EA	\$0.73	\$2.18	DECAL, X'ING SIGNAL MALFUNCTION 11" X 4", GATE MOUNT						
3	670-077544-4	EA	\$0.54	\$1.63	DECAL, X'ING SIGNAL MALFUNCTION 6" X 6", MAST MOUNT						
2	670-986650-4	EA	\$361.26	\$722.52	DISPOSAL, CONSTRUCTION DEBRIS AND CLEANING X'ING EQUIPMENT CONTAINER						
6	670-000003-4	EA	\$255.85	\$1,535.10	FILL/STONE #57, QUANTITY IS BASED ON TRUCK LOAD PLUS DELIVERY COST						
2	670-015231-4	EA	\$381.69	\$763.37	FOUNDATION, DIXIE, S-2 GATE 56" ASSEMBLED						
2	670-477991-4	EA	\$292.81	\$585.61	KIT, GROUNDING ASSY FOR AL I/S INCLUDES 8 GRD RDS, 200#4 WIRE, 12 4 WIRE ONE-SHOTS, ERICO SBK206						
2	670-123298-4	EA	\$256.93	\$513.86	KIT, HARDWARE SUPPLIES REQUIRED X'ING PKGAGES. WEB CONNECTORS FOR SHUNT(8EA) TAPE, AMPS, PGUM PAINT, SLEEVES, TAGS, GLUE, 100 EA WHITE TAGS, )NE CAN BLUE MARKING PAINT ETC...						
2	670-764166-4	EA	\$907.09	\$1,814.18	LAMP ASSY, 5" MAST MTG. 2W IND. 20" BKGRD, FLX-12 W/BULB STRAN #042003-487XNS						

APPROVED BY STATE APPROVED BY RAILROAD CAR NUMBER SEAL NUMBER

Location: KANKAKEE		IL	S&E Proj. No.: 04.0485		AFE No.: F01953	Drawing No.: 31231010		Page 3/5	
Store No.: 06977		P.O. Number:		Date Required:		Date Shipped:		Vendor: Safetran Systems Corp.	
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed Date Quan.	Quantity Returned (Credit)	Special Instructions
6	165-643547-4	EA	\$8.43	\$50.60	LAMP, 18 WATT 10 VOLT S-11 SC BAY 18S11/1SC CLEAR RWY SIGNAL UJ-71463 GE				
10	670-440826-4	EA	\$1.01	\$10.13	LINK, SAFETRAN 024620-1X INSL TESTING COMP 1 IN CENTER SIGNAL CIRCUITS CR 02-286662				
6	255-590880-4	EA	\$15.62	\$93.70	LOCK, AMERICAN LOCK MODEL H-10KA KEYED ALIKE TO PRIVATE KEYWAY D456 AND STAMPED "NS SIG"				
2	670-637778-4	EA	\$1,055.55	\$2,111.09	MAST, 5" ALUMINUM 13'10" WITH DOUBLE JCT. BOX BASE. S'TRAN P# 070519-11AX.				
2	670-521147-4	EA	\$2,932.81	\$5,865.62	MECHANISM, GATE MODEL S40, WITH CONTACT HEATER, COMPLETE W/RELAY S'TRAN # 074000-W00090				
4	670-001347-4	EA	\$57.98	\$231.90	PACKAGE, HARDWARE SIGN 5 IN. MOUNTING, SERRMI A1250-5, HARMON @200965-000, OR				
2	255-646807-4	EA	\$9.49	\$18.97	PADLOCK, SAFETRAN PART NO. 030399-29X SCREW TYPE FOR CIR CONTROLLER AND BTY. BOX				
1	670-514605-4	EA	\$8.43	\$8.43	PINNACLE, W-C SECT 1-11, 4"x 5" REF K1 110-8 OR SAFETRAN NO. @035045-503X				
5	670-555609-4	EA	\$41.11	\$205.55	PLUGBOARD, TYPE B-1 GRS A62-506 OR HARMON @7062-506 OR				
2	165-902002-4	EA	\$308.00	\$616.00	PROTECTOR, SURGE 120/240VAC, ERICO P/N EPD120/240TDFL				
1	670-006537-4	EA	\$959.23	\$959.23	RECEIVER, PSO II SAFETRAN NO. 7A405-1770HZ				
1	670-007626-4	EA	\$959.23	\$959.23	RECEIVER, PSO II SAFETRAN NO. 7A405-2630HZ				
7	455-002899-4	EA	\$20.88	\$146.14	REEL, CABLE DISPOSABLE FOR CROSSING SIGNAL PACKAGES				
2	670-742096-4	EA	\$38.50	\$77.00	RELAY INTERFACE PROBE, ULTRATECH PN 16031-00				
APPROVED BY STATE				APPROVED BY RAILROAD		CAR NUMBER		SEAL NUMBER	

Store No.: 06977				P.O. Number:		Date Required:		Date Shipped:		Vendor : Safetran Systems Corp.			
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Date Quan.	Date Quan.	Date Quan.	Quantity Returned (Credit)	Special Instructions		
1	670-456936-4	EA	\$150.00	\$150.00	RELAY RACK, SWING, FARADAY SELTER FOR ONE RELAY, SSFETRAN P/N T15331								
5	670-707995-4	EA	\$356.29	\$1,781.43	RELAY, TYPE B1, NEV LINE, 900 OHMS,.008 AMPERES GRS A62-308 OR SAFETRAN @400003								
1	670-391911-4	EA	\$5,329.57	\$5,329.57	SEARII AUTOMATED INSPECTOR SYSTEM KIT, w/ 1- ILOD,1-BSX, 2-GTS, 2- MTSS, 1-GFT, 1-VHFC, 2- RECORDER INTERFACE MODULE, 1- ECHELON CONNECTOR								
2	670-281280-4	EA	\$7,006.00	\$14,012.00	SHELTER BARE 6X6, ALUMN, FARADAY, W/CABLE CHUTES BEHIND TERMINAL BOARD, W/GEN. CONN. W/ADJUSTABLE PIERS, SAFETRAN P/N 058400-66-78A								
2	670-586967-4	EA	\$34.74	\$69.49	SHUNT COVER W/LAG SCREWS, 19"X19", SERRMI #40271, ORDER 1 PER SHUNT								
1	670-652773-4	EA	\$470.56	\$470.56	SHUNT, MULTI-FREQ. #62775-1543 SAFETRAN NARROW BAND								
1	670-688850-4	EA	\$370.27	\$370.27	SHUNT, MULTI-FREQ. #62775-3497 SAFETRAN NARROW BAND								
2	670-806648-4	EA	\$56.42	\$112.84	SIGN, X-BUCK, LESS HARDWARE, SAFETRAN 035200-X CR 02-490546								
2	670-751511-4	EA	\$35.58	\$71.17	SIGN, "I" TRACK, LESS HARDWARE SAFETRAN# 035207-1X								
2	670-006438-4	EA	\$10.54	\$21.08	TAPE, 4" X 96" REFLECTIVE APPLY TO BACK OF X-BUCK SIGN. ONLY IN IA, IN, IL, AL. 035200-555X								
2	670-330382-4	RL	\$10.75	\$21.49	TAPE, THOR 3" DURATEC, ORANGE 1000' LENGTHS. "WARNING STOP DIGGING"								
25	670-478560-4	EA	\$19.47	\$486.75	TERMINAL BLOCK, ERICO 4 POST P/N B2700A2C1WH W/HARDWARE LESS LIGHTNING ARRESTOR								
5	165-917984-4	EA	\$4.22	\$21.08	TERMINAL, TEST, TYPE B GRS A62-515 OR HARMON @32118-001 OR								
5	610-065626-4	EA	\$16.66	\$83.33	ULTRA-TECH 15206-01 CONNECTIVITY BLOCK FOR GRS B1 RELAY								

Location: KANKAKEE		IL	S&E Proj. No.: 04.0485		AFE No.: F01953		Drawing No.: 31231010		Page 5/ 5	
Store No.: 06977		P.O. Number:			Date Required:		Date Shipped:		Vendor : Safetran Systems Corp.	
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed		Quantity Returned (Credit)	Special Instructions
10	670-007238-4	EA	\$137.14	\$1,371.36	UNIT, THE INSTALLATION AND WIRING OF A DEVICE WHICH REQUIRE A MINIMUM OF FOUR WIRE CONNECT-		Date Quan.	Date Quan.		
1	670-270377-4	EA	\$15,616.66	\$15,616.66	WIRED RACK, 6X6 FARADAY, 20AMP SINGLE TRK (NO CONTROLLER) , GCP3000, 1CRAGG CHARGER, 2 RELAY RACKS, SAFTRAN P/N 20A UNI 1TRK , USE WITH I/S 670-281280-4 W/CABLE CHUTES BEHIND THE FARADAY SHIELD					
1	670-258957-4	EA	\$25,580.50	\$25,580.50	WIRED RACK, 6X6 FARADAY, 20AMP SINGLE TRK SSCCIIIA, GCP3000D2, 2 CRAGG CHARGER, 2 RELAY RACKS, SAFTRAN P/N 20A 1TRK, USE WITH I/S 670-281280-4 W/CABLE CHUTES BEHIND THE FARADAY SHIELD					
2	450-986008-4	EA	\$7.35	\$14.70	WRENCH, TEST POST TYPE B DWG 55393-3, GR.1					

APPROVED BY STATE	APPROVED BY RAILROAD	CAR NUMBER	SEAL NUMBER
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Arne Skrodal  
Signal Design Officer  
Signals & Communications

Canadian National Railway  
17641 South Ashland Avenue  
Homewood, Illinois 60430-1339

708-332-3271  
708-332-3514 Fax

April 14, 2004  
Kankakee, IL - PF

Mr. Gus B. Bankieris  
Manager Highway Crossing Signal Engineer  
Norfolk Southern Railway Co.  
99 Spring St.  
Atlanta, GA 30303

Dear Mr. Bankieris:

Attached are several copies of the estimate dated April 8, 2004 in the amount of \$105,080 and track plan for the necessary signal work by CN forces to install CWT through the interlocking plant at Kankakee, IL. The NS crossings proposed to be upgraded are Entrance Ave., Schuyler Ave. and Indiana Ave.

Sincerely,

cc: G. L. Paris



ILLINOIS CENTRAL RAILROAD  
ENGINEERING DEPARTMENT  
SIGNALS AND COMMUNICATIONS

Kankakee, IL

Est 1007-401

Estimated cost of Signal work to provide two (2) crossing starts for  
Norfolk Southern Railway within Interlocking limits.

Central Division

Val Sec IL-1

ICC ACCT	ITEM DESCRIPTION	QUANT.	UNIT	UNIT COST	TOTAL COST
	BCR				
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	ADDITIONS AND BETTERMENTS				
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	INSTRUMENT CASE, LOW DOUBLE	2.	EACH	3050.00	6100.00
	CASE PIER, AP-392	4.	EACH	70.00	280.00
	GCP3000D2, 80110-111	1.	EACH	18946.00	18946.00
	GCP3000D2, 80110-113	1.	EACH	21184.00	21184.00
	RECORDER INTERFACE, 80025	2.	EACH	250.00	500.00
	RELAY, ST, 500 OHM, 400004	5.	EACH	583.00	2915.00
	RECTIFIER, NRS, 20A	2.	EACH	429.00	858.00
	RECTIFIER, NRS, 5V5A	2.	EACH	238.00	476.00
	NARROW BAND SHUNT, 62775-3497	2.	EACH	431.00	862.00
	DUAL WIDE BAND SHUNT, 8A077	2.	EACH	334.00	668.00
	ADJUSTABLE INDUCTOR, 8A398-6	2.	EACH	400.00	800.00
	BATTERY CHOKE, 8A065A	2.	EACH	212.00	424.00
	BATTERY, NI-CAD, 165AH	20.	EACH	118.00	2360.00
	WIRE, 2c/6 TW	300.	FEET	0.29	87.00
	CABEL, 5c/14	1200.	FEET	0.36	432.00
	MISC. SIGNAL MATERIAL	1.	L.S.	2000.00	2000.00
	5 MAN GANG	8.	DAY	1100.00	8800.00
	PRELIMINARY ENGINEERING	1.	L.S.	5000.00	5000.00
	CONSTRUCTION ENGINEERING	1.	L.S.	275.00	275.00

Kankakee, IL

Est 1007-401

SUMMARY A&B  
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MATERIAL	58892.00 *
ACCT. HDLG. FRT. TRANSP. 0.14	8244.88
LABOR	8800.00 *
ENGINEERING	5275.00
LABOR ADDITIVE 0.8904	7835.52
ENGINEERING ADDITIVE 0.4132	2479.25
SUBSISTENCE	2400.00
RENTAL OF EQUIPMENT	1600.00
CONTINGENCIES	9553.35
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TOTAL A&B	105080.00